

What is claimed is:

1. In a radio frequency transceiver, a method comprising steps of:
receiving a plurality of packets to produce a plurality of received packets, wherein
each received packet of the plurality of received packets comprises a packet identifier;
5 sorting the plurality of received packets according to the packet identifiers; and
forwarding the sorted received packets to an upstream component of an
infrastructure of a communication system.
2. The method of claim 1, wherein each packet identifier comprises a
destination identifier.
- 10 3. The method of claim 1, wherein each packet identifier comprises a number
of soft handoff legs of a corresponding packet of the plurality of packets.
4. The method of claim 1, wherein each packet identifier comprises a
communication unit identifier.
- 15 5. The method of claim 1, wherein each packet identifier comprises a packet
sequence number.
6. The method of claim 1, wherein each packet identifier is assigned to each
received packet by a base station.
7. The method of claim 1, wherein each packet identifier is assigned to a
corresponding packet by a communication unit.
- 20 8. The method of claim 1, wherein the upstream component comprises a
packet selector.

9. A method comprising the steps of:
receiving a first packet from a first communication unit and a second packet from
a second communication unit to respectively produce a first received packet and a second
received packet, wherein each of the first received packet and the second received packet
5 comprises a packet identifier;
- sorting the first and second received packets according to their respective packet
identifiers;
- forwarding the sorted first and second received packets to an upstream component
of a communication system;
- 10 receiving a third packet from the first communication unit and a fourth packet
from a third communication unit to respectively produce a third received packet and a
fourth received packet, wherein each of the third received packet and the fourth received
packets comprises a packet identifier;
- 15 sorting the third and fourth received packets according to their respective packet
identifiers;
- forwarding the sorted third and fourth received packets to the upstream
component;
- comparing, by the upstream component, the first received packet to the third
received packet; and
- 20 forwarding, by the upstream component, the first received packet or the third
received packet based on the comparison.

10. The method of claim 9, wherein the second communication unit and the
third communication unit are the same communication unit.

25 11. The method of claim 9, wherein first received packet is a first soft-handoff
(SHO) leg of the first packet and the third received packet is a second SHO leg of the first
packet.

12. The method of claim 9, wherein the upstream component is a packet
selector.

13. A radio frequency transceiver arranged and constructed to:
receive a plurality of packets to produce a plurality of received packets, wherein
each received packet of the plurality of received packets comprises a packet identifier;
sort the plurality of received packets according to the packet identifiers associated
5 with each of the received packets; and
forward the sorted received packets to an upstream component of an infrastructure
of a communication system.

14. The base station of claim 13, wherein each packet identifier comprises a
destination identifier.

10 15. The base station of claim 13, wherein each packet identifier comprises a
number of soft handoff legs of a corresponding packet.

16. The base station of claim 13, wherein each packet identifier comprises a
communication unit identifier.

15 17. The base station of claim 13, wherein each packet identifier comprises a
packet sequence number.

18. The method of claim 13, wherein each packet identifier is assigned to each
received packet by the base station.

19. The method of claim 13, wherein each packet identifier is assigned to a
corresponding packet by a communication unit.

20 20. The method of claim 13, wherein the upstream component comprises a
packet selector.

21. A communication system comprising:

a first transceiver that receives a first packet from a first communication unit to produce a first received packet that comprises a packet identifier, receives a second packet from a second communication unit to produce a second received packet that comprises a packet identifier, sorts the first and second received packets according to their respective packet identifiers, and forwards the sorted first and second received packets to a packet selector;

5 a second transceiver that receives a third packet from the first communication unit to produce a third received packet that comprises a packet identifier, receives a fourth packet from a third communication unit to produce a fourth received packet that comprises a packet identifier, sorts the third and fourth received packets according to their respective packet identifiers, and forwards the sorted third and fourth received packets to the packet selector; and

10 15 a packet selector that receives the sorted first and second received packets from the first transceiver and the sorted third and fourth received packets from the second transceiver, compares the first received packet to the third received packet, and, based on the comparison, forwards the first received packet or the third received packet.

22. The communication system of claim 21, wherein the second communication unit and the third communication unit are the same communication unit.

20 23. The communication system of claim 21, wherein the first received packet is a first soft-handoff (SHO) leg of the first packet and the third received packet is a second SHO leg of the first packet.